

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

ADDENDUM NO. 4 TO ORDER NO. 87-108
AN ADDENDUM MODIFYING THE REQUIREMENTS
FOR THE

COUNTY OF SAN DIEGO
RANCHO DEL CAMPO WATER POLLUTION CONTROL FACILITY.
SAN DIEGO COUNTY

The California Regional Water Quality Board, San Diego Region
(hereinafter Regional Board), finds that:

1. On August 24, 1987, this Regional Board adopted Order No. 108, Waste Discharge Requirements for the County of San Diego Rancho Del Campo Water Pollution Control Facility, San Diego County. Order No. 87-108 as amended by subsequent addenda established requirements for the discharge of up to 0.113 million gallons per day (MGD) of treated wastewater by percolation and a time schedule requiring the County to achieve compliance with effluent limits which are consistent with the Basin Plan.

2. By letter dated October 22, 1996, the County of San Diego requested modification of the effluent limits for total dissolved solids (TDS) and nitrate established by Order No. 87-108 as follow:

Constituent	Daily Maximum	Annual Average
Total Dissolved Solids	800 mg/l	750 mg/l
Nitrate as NO ₃	110 mg/l	75 mg/l

3. Based upon the information in the record, Regional Board staff determines that the discharge from RDCWPCF with the current permitted flow of 0.113 MGD, average TDS concentration of 750 mg/l, and average nitrate concentration of 75 mg/l will not cause the Basin Plan objectives to be exceeded.
4. This facility is an existing facility and as such is exempt from the provisions of the California Environmental Quality Act, in accordance with Title 14, California Administrative Code, Chapter 3, Article 19, Section 15301.
5. The Regional Board has considered all environmental factors associated with the existing discharge.
6. The Regional Board has notified all interested parties of its intent to modify waste discharge requirements for the existing discharge.
7. The Regional Board in a public hearing, heard and considered all comments pertaining to the existing discharge.

Date	4/2/98	# of pages	3
From	F. GONZALES		
Co.	DPW		
Phone #	874-4115		
Fax #	874-4050		
Post-It Fax Note	7671		
To	QUACH		
Co/Dept.	RNQC		
Phone #	AG7-2978		
Fax #	571-1070		

Add. 4 to Order No. 87-108

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IT IS HEREBY ORDERED, That Order No. 87-108 is modified as follows:

1. Discharge Specification B.1 as amended by subsequent addenda is superseded by the following:

B.1 After January 1, 1996, effluent discharged from the RDCWPCF shall not exceed the following limitations:

Constituent	Unit	Annual Average ¹	Daily Maximum ¹
Biochemical Oxygen Demand (BOD ₅ @ 20°C)	mg/l	30	45
Total Suspended Solids	mg/l	30	45
pH	Units	Within the limits of 6.0 to 9.0 at all times	
Total Dissolved Solids	mg/l	750	
Chloride	mg/l	250	
Percent Sodium	%	60	
Sulfate	mg/l	250	
Nitrate (as NO ₃)	mg/l	75	

- 1 The daily maximum shall be determined from the results of a single grab sample.
- 2 The annual average shall be the arithmetic mean, using the result of analysis of all samples collected during any 12-consecutive month period.

2. Section B. Effluent Monitoring of Monitoring and Reporting Program is replaced with the following:

The following shall constitute the effluent monitoring program for RDCWPCF:

Determination	Unit	Sample Type	Sampling Frequency	Reporting Frequency
Flowrate	MGD		Continuous	Quarterly
Biochemical Oxygen Demand (5-Day @ 20°C)	mg/L	Grab	Quarterly*	Quarterly
Total Suspended solids	mg/l	Grab	Quarterly	Quarterly
pH	Unit	Grab	Quarterly	Quarterly
Total Dissolved Solids	mg/l	Grab	Quarterly*	Quarterly
Chloride	mg/L	Grab	Quarterly	Quarterly
Percent Sodium	%	Grab	Quarterly	Quarterly
Sulfate	mg/L	Grab	Quarterly	Quarterly
Nitrate (NO ₃)	mg/L	Grab	Quarterly*	Quarterly
Iron	mg/l	Grab	Quarterly	Quarterly
Manganese	mg/l	Grab	Quarterly	Quarterly
MBAS	mg/L	Grab	Quarterly	Quarterly
Boron	mg/l	Grab	Quarterly	Quarterly
Fluoride	mg/L	Grab	Quarterly	Quarterly

* If the 12-month running average for any of these

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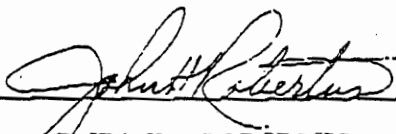
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constituents exceeds its annual average effluent limit, the discharger shall increase the sampling frequency of that constituent to monthly until the 12-month running average goes below its annual average effluent limit again.

2. Section C. Potable Water Supply Monitoring of Monitoring and Reporting Program is deleted.
3. Section D. Groundwater Monitoring of Monitoring and Reporting Program is replaced with the following:

On or before May 13, 1997, the discharger shall submit to Regional Board office a groundwater monitoring program to confirm the discharge will not cause the Basin Plan objectives to be exceeded. The groundwater monitoring program must contain sufficient number of wells to characterize the water quality background and to detect any groundwater quality impacts. The number and location of wells shall be approved by the Regional Board Executive Officer. Upon approval of the Executive Officer, a sample of the ground water from each monitoring well shall be collected, analyzed, and reported quarterly for TDS and Nitrate, and a sample of the ground water from each monitoring well shall be collected, analyzed, and reported annually for chloride, percent sodium, sulfate, iron, manganese, MBAS, boron, and fluoride.

I, John H. Robertus, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of Addendum No. 4 to Order No. 87-108 adopted by the California Regional Water Quality Control Board, San Diego Region, on February 13, 1997.


JOHN H. ROBERTUS
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

ADDENDUM NO. 3 TO ORDER NO. 87-108
AN ADDENDUM MODIFYING THE REQUIREMENTS
FOR THE
COUNTY OF SAN DIEGO
RANCHO DEL CAMPO WATER POLLUTION CONTROL FACILITY
SAN DIEGO COUNTY

The California Regional Water Quality Board, San Diego Region (hereinafter Regional Board), finds that:

1. On August 24, 1987, this Regional Board adopted Order No. 87-108, **Waste Discharge Requirements for the County of San Diego, Rancho Del Campo Water Pollution Control Facility, San Diego County.** Order No. 87-108 established requirements for the discharge of up to 0.075 million gallons per day (MGD) of treated wastewater by percolation and a time schedule requiring the County to conduct a study of the capacity of the Campo Hydrographic Subunit (HSU) (11.80) to assimilate the waste discharge.
2. On January 29, 1990, this Regional Board adopted Addendum No. 1 to Order 87-108, **An Addendum Modifying the Requirements for the County of San Diego, Rancho Del Campo Water Pollution Control Facility, San Diego County.** Addendum No. 1 to Order 87-108 establishes a time schedule for compliance with effluent limits which are consistent with the Basin Plan.
3. On April 23, 1990, this Regional Board adopted Addendum No. 2 to Order 87-108, **An Addendum Modifying the Requirements for the County of San Diego, Rancho Del Campo Water Pollution Control Facility, San Diego County.** Addendum No. 2 to Order 87-108 establishes a time schedule for compliance with effluent limits which are consistent with the Basin Plan, and increased the authorized discharge flow rate from 0.075 to 0.113 MGD.
4. As a part of the FY 1992/93 Waste Discharge Order Update Program, Order No. 87-108 and its Addenda have been reviewed by Regional Board staff in accordance with criteria established in the Administrative Procedures Manual adopted by the State Water Resources Control Board. As a result of this review, it has been determined that some changes are necessary in the requirements established by Order No. 87-108. This Addendum makes changes to the findings, requirements, and monitoring and reporting program of Order No. 87-108.
5. By letter dated January 14, 1993, the County of San Diego requests modification of the time schedule established by Addendum No. 2 to Order No. 87-108. The County of San Diego proposes a new time schedule because severe budget constraints

did not allow initiation of a contract for the completion of the Basin Plan and Assimilation Study. This Addendum extends the time schedule established by Addendum No. 2 to give the County of San Diego extra time to complete the plan and work necessary to achieve compliance with the Basin Plan. This Addendum also extends the time for interim effluent limits as required by Addendum No. 2.

6. This Addendum requires the County of San Diego to do a more intensive ground water monitoring program in exchange for an extension of time schedules.
7. This facility is an existing facility and as such is exempt from the provisions of the California Environmental Quality Act, in accordance with Title 14, California Administrative Code, Chapter 3, Article 19, Section 15301.
8. The Regional Board has considered all environmental factors associated with the existing discharge.
9. The Regional Board has notified all interested parties of its intent to modify waste discharge requirements for the existing discharge.
10. The Regional Board in a public hearing, heard and considered all comments pertaining to the existing discharge.

IT IS HEREBY ORDERED, That Order No. 87-108 is modified as follows:

1. Discharge Specification B.1 is replaced with the following:

B.1.a Until January 1, 1996, effluent discharged from the RDCWPCF shall not exceed the following interim limitations:

Constituent	Unit	Monthly ¹ Average	Daily ² Maximum
Biochemical Oxygen Demand (BOD ₅ @ 20°C)	mg/L	30	45
pH		Within the limits of 6.0 to 9.0 at all times	
Total Dissolved Solids	mg/L	---	300*
Chloride	mg/L	---	300*
Sulfate	mg/L	---	300*

¹ The monthly average shall be the arithmetic mean, using the result of analysis of all samples collected during any 30-consecutive calendar day period.

² The daily maximum effluent limitation shall apply to the

results of a single composite sample collected over a period of 24 hours, or a grab sample.

* Increment in effluent over supply water.

B.1.b * After January 1, 1996, effluent discharged from the RDCWPCF shall not exceed the following limitations:

Constituent	Unit	Monthly Average ²	Daily Maximum ¹
Biochemical Oxygen Demand (BOD ₅ @ 20°C)	mg/l	30	45
pH	Units	Within the limits of 6.0 to 9.0 at all times	
Total Dissolved Solids	mg/l	500	550
Chloride	mg/l	250	300
Percent Sodium	%	60	65
Sulfate	mg/l	250	300
Nitrate (as NO ₃)	mg/l	45	50

- 1 The daily maximum shall be determined from the results of a single grab sample.
- 2 The monthly average shall be the arithmetic mean, using the result of analysis of all samples collected during any 30-consecutive calendar day period.

3. Provision C.14 is replaced with the following:

C.14. The discharger shall complete the following tasks in accordance with the following time schedule:

Tasks	Completion Date	Report Submittal Task Date
1. Begin development of a plan for bringing the discharge into compliance with the effluent limitations in B.1.b	01/15/93	02/15/93
2. Complete the plan initiated in Task 1 in a manner acceptable to the Executive Officer.	05/01/93	05/15/93
3. Begin work necessary to achieve compliance with the effluent limitations in B.1.b	08/01/93	08/15/93
4. First Annual Progress Report	11/15/93	12/01/93

5. Second Annual Progress Report	11/15/93	12/01/94
6. Complete work necessary to achieve compliance with the effluent limitations in B.1.b	12/15/95	01/01/96

4. Section B. Effluent Monitoring of Monitoring and Reporting Program is replaced with the following:

The following shall constitute the effluent monitoring program for RDCWPCF:

Determination	Unit	Sample Type	Sampling Frequency	Reporting Frequency
Flowrate	MGD		Continuous	Quarterly
Biochemical Oxygen Demand (5-Day @ 20°C)	mg/L	Grab	Quarterly	Quarterly
pH	Unit	Grab	Quarterly	Quarterly
Total Dissolved Solids	mg/l	Grab	Quarterly	Quarterly
Chloride	mg/L	Grab	Quarterly	Quarterly
Percent Sodium	%	Grab	Quarterly	Quarterly
Sulfate	mg/L	Grab	Quarterly	Quarterly
Nitrate (NO ₃)	mg/L	Grab	Quarterly	Quarterly

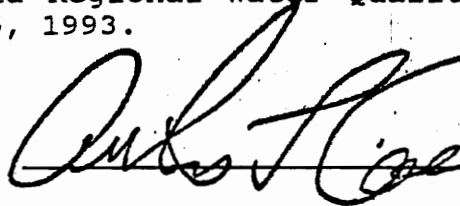
5. Section C. Potable Water Supply Monitoring of Monitoring and Reporting Program is replaced with the following:

Determination	Unit	Sample Type	Sampling Frequency	Reporting Frequency
Total Dissolved Solids	mg/l	Grab	Quarterly	Quarterly
Chloride	mg/L	Grab	Quarterly	Quarterly
Sulfate	mg/L	Grab	Quarterly	Quarterly

6. Section D. Ground Water Monitoring of Monitoring and Reporting Program is replaced with the following:

The discharger shall establish at least one monitoring well upgradient and one monitoring well downgradient of the percolation ponds. Upon approval of the Executive Officer, a sample of the ground water from each monitoring well shall be collected, analyzed, and reported quarterly for the following constituents: TDS, Chloride, Sulfate, and Nitrate.

I, Arthur L. Coe, Acting Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of Addendum No. 3 to Order No. 87-108 adopted by the California Regional Water Quality Control Board, San Diego Region, on March 15, 1993.

A handwritten signature in cursive script, appearing to read 'Arthur L. Coe', is written over a horizontal line.

ARTHUR L. COE
Acting Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

ADDENDUM NO. 2 TO ORDER NO. 87-108

AN ADDENDUM MODIFYING WASTE DISCHARGE REQUIREMENTS
FOR THE
COUNTY OF SAN DIEGO
RANCHO DEL CAMPO WATER POLLUTION CONTROL FACILITY
SAN DIEGO COUNTY

The California Regional Water Quality Board, San Diego Region (hereinafter Regional Board), finds that:

1. On August 24, 1987, this Regional Board adopted Order No. 87-108, **Waste Discharge Requirements for the County of San Diego, Rancho Del Campo Water Pollution Control Facility, San Diego County**. Order No. 87-108 established requirements for the discharge of up to 0.075 million gallons per day (MGD) of treated wastewater by percolation and a time schedule requiring the County to conduct a study of the capacity of the Campo Hydrographic Subunit (HSU) (11.80) to assimilate the waste discharge.
2. On November 16, 1988, Granville M. Bowman, Director of Public Works, County of San Diego (hereinafter discharger), submitted an incomplete Report of Waste Discharge (RWD) for an increase in authorized discharge rate from 0.075 MGD to 0.1365 MGD. This submittal also contained a report of a special study required by this Regional Board's Order No. 87-108. After submission of additional information on September 25, 1989, the RWD was considered complete. The RWD reported that all functional units of the RDCWPCF, appear, under standard design criteria, to have adequate capacity to treat 0.1365 MGD of wastewater.
3. On January 29, 1990, this Regional Board adopted Addendum No. 1 to Order 87-108, **An Addendum Modifying the Requirements for the County of San Diego, Rancho Del Campo Water Pollution Control Facility, San Diego County**. Addendum No. 1 to Order 87-108 establishes a time schedule for compliance with effluent limits which are consistent with the Basin Plan.
4. By letter dated April 4, 1990, the County of San Diego modified its request for amendment of the existing waste discharge requirements. The County of San Diego requested an increase in the authorized discharge rate from 0.075 MGD to 0.113 MGD, rather than 0.1365 MGD.

5. Even though the RDCWPCF has adequate capacity to process the proposed flow volumes of 0.113 MGD, the discharger has decided to undertake two improvements of the treatment/disposal system: (a) New circulation pumps having greater capacity than the existing pumps will be installed, and (b) The percolation ponds will be expanded.
6. The Comprehensive Water Quality Control Plan Report, San Diego Basin (9) (Basin Plan) established the following water quality objectives for the Campo HSU.

 Concentration not to be exceeded more
 than 10 percent of the time

Constituent	Surface Water	Ground Water
Total Dissolved Solids	500 mg/L	500 mg/L
Chloride	250 mg/L	250 mg/L
Percent Sodium	60	60
Sulfate	250 mg/L	250 mg/L
Nitrate	- - -	45 mg/L
Nitrogen and Phosphorus	*	- - -
Iron	0.3 mg/L	0.3 mg/L
Manganese	0.05 mg/L	0.05 mg/L
Methylene Blue Active Substances	0.5 mg/L	0.5 mg/L
Boron	1.0 mg/L	1.0 mg/L
Odor	None	None
Turbidity	20 NTU	5 NTU

 Concentration not to be exceeded more
 than 10 percent of the time

Constituent	Surface Water	Ground Water
Color	20 Units	15 Units
Fluoride	1.0 mg/L	1.0 mg/L

- * Concentrations of nitrogen and phosphorus, by themselves or in combination with other nutrients, shall be maintained at levels below those which stimulate algae and emergent plant growth. Threshold total Phosphorus (P) concentrations shall not exceed 0.05 mg/L in any stream at the point where it enters any standing body of water, or 0.035 mg/L in any standing body of water. A desired goal in order to prevent public nuisances in streams and other flowing waters appears to be 0.1 mg/L total P. These values are not to be exceeded more than 10 percent of the time unless studies of the specific water body in question clearly show that water quality objective changes are permissible and changes are approved by the Regional Board. Analogous threshold values have not been set for nitrogen compounds; however natural ratios of nitrogen to phosphorus are to be determined by surveillance and monitoring and upheld. If data are lacking, a ratio of N:P = 10:1 shall be used.

NTU= Nephelometric Turbidity Units

7. On March 15, 1984, the County of San Diego Board of Supervisors certified a final Environmental Impact Report for the construction of a 222-lot mobile home project with associated commercial, recreation, and open space on 91.74 acres in Campo, San Diego County, in accordance with the California Environmental Quality Act (Public Resources Code Section 21000 et seq.). The Environmental Impact Report also addresses the repair of the RDCWPCF, and the expansion of the RDCWPCF from its present capacity of 0.075 MGD to 0.113 MGD. The project as approved by the County of San Diego Board of Supervisors will not have a significant effect on water quality.
8. The Regional Board has notified all interested parties of its intent to modify waste discharge requirements for the existing discharge.
9. The Regional Board in a public hearing, heard and considered all comments pertaining to the existing discharge.

IT IS HEREBY ORDERED, That Order No. 87-108 is modified as follows:

1. Discharge Prohibition A.5 is replaced with the following:

The 30-day average daily dry weather flow rate shall not exceed 0.113 MGD until the discharger has obtained revised waste discharge requirements for the proposed increased flow.

2. Discharge Specification B.1 is replaced with the following:

B.1.a Until February 1, 1993, effluent discharged from the RDCWPCF shall not exceed the following interim limitations:

Constituent	Unit	Daily Maximum ¹
Biochemical Oxygen Demand (BOD ₅ @ 20°C)	mg/l	30
Total Suspended Solids	mg/l	30
pH	Units	Within the limits of 6.0 to 9.0 at all times
Total Dissolved Solids	mg/l	300*
Chloride	mg/l	100*
Sodium	mg/l	100*
Sulfate	mg/l	100*
Fluoride	mg/l	1.0*
Boron	mg/l	1.0*

1 The daily maximum shall be determined from the results of a single grab sample.

* Increment in effluent over supply water.

B.1.b After February 1, 1993, effluent discharged from the RDCWPCF shall not exceed the following limitations:

Constituent	Unit	Monthly Average ²	Daily Maximum ¹
Biochemical Oxygen Demand (BOD ₅ @ 20°C)	mg/l	30	30
Total Suspended Solids	mg/l	30	30
pH	Units	Within the limits of 6.0 to 9.0 at all times	
Total Dissolved Solids	mg/l	500	550
Chloride	mg/l	250	300
Percent Sodium	%	60	65
Sulfate	mg/l	250	300
Nitrate (as NO ₃)	mg/l	45	50
Iron	mg/l	0.3	0.4
Manganese	mg/l	0.05	0.06
Methylene Blue Active Substances	mg/l	0.5	0.6
Boron	mg/l	1.0	1.2
Odor		NONE	NONE
Turbidity	NTU	5	6
Color	Units	15	20
Fluoride	mg/l	1.0	1.2

1 The daily maximum shall be determined from the results of a single grab sample.

2 The monthly average shall be the arithmetic mean, using the result of analysis of all samples collected during any 30-consecutive calendar day period.

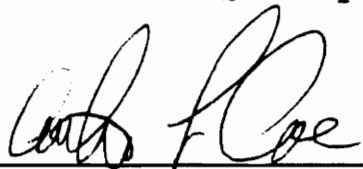
3. Provision C.14 is replaced with the following:

C.14. The discharger shall complete the following tasks in accordance with the following time schedule:

Tasks	Completion Date	Report Submittal Task Date
1. Begin development of a plan for bringing the discharge into compliance with the effluent limitations in B.1.b	05/01/90	05/15/90
2. Complete the plan initiated in Task 1 in a manner acceptable to the Executive Officer.	08/01/90	08/15/90
3. Begin work necessary to achieve compliance with the effluent limitations in B.1.b	11/01/90	11/15/90
4. First Annual Progress Report	02/01/91	02/15/91
5. Second Annual Progress Report	02/01/92	02/15/92
6. Complete work necessary to achieve compliance with the effluent limitations in B.1.b	02/01/93	02/15/93

4. Addendum No. 1 to Order No. 87-108 is rescinded when this Addendum No. 2 to Order 87-108 is adopted.

I, Arthur L. Coe, Acting Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of Addendum No. 2 to Order No. 87-108 adopted by the California Regional Water Quality Control Board, San Diego Region, on April 23, 1990.



ARTHUR L. COE
Acting Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

ADDENDUM NO. 1 TO ORDER NO. 87-108

AN ADDENDUM MODIFYING THE REQUIREMENTS
FOR THE
COUNTY OF SAN DIEGO
RANCHO DEL CAMPO WATER POLLUTION CONTROL FACILITY
SAN DIEGO COUNTY

The California Regional Water Quality Board, San Diego Region (hereinafter Regional Board), finds that:

1. On August 24, 1987, this Regional Board adopted Order No. 87-108, Waste Discharge Requirements for the County of San Diego, Rancho Del Campo Water Pollution Control Facility (RDCWPCF), San Diego County. Order No. 87-108 established requirements for the discharge of up to 0.075 million gallons per day (MGD) of treated wastewater by percolation and a time schedule requiring the County to conduct a study of the capacity of the Campo Hydrographic Subunit (HSU) (11.80) to assimilate the waste discharge.
2. On November 16, 1988, Granville M. Bowman, Director of Public Works, County of San Diego (hereinafter discharger), submitted a report of a special study required by this Regional Board Order No. 87-108.
3. The Comprehensive Water Quality Control Plan Report, San Diego Basin (9) (Basin Plan) established the following water quality objectives for the Campo HSU.

Constituent	Concentration not to be exceeded more than 10 percent of the time	
	Surface Water	Ground Water
Total Dissolved Solids	500 mg/L	500 mg/L
Chloride	250 mg/L	250 mg/L
Percent Sodium	60	60
Sulfate	250 mg/L	250 mg/L
Nitrate	- - -	45 mg/L
Nitrogen and Phosphorus	*	- - -
Iron	0.3 mg/L	0.3 mg/L
Manganese	0.05 mg/L	0.05 mg/L

Methylene Blue Active Substances	0.5 mg/L	0.5 mg/L
Boron	1.0 mg/L	1.0 mg/L
Odor	None	None
Turbidity	20 NTU	5 NTU
Color	20 Units	15 Units
Fluoride	1.0 mg/L	1.0 mg/L

- * Concentrations of nitrogen and phosphorus, by themselves or in combination with other nutrients, shall be maintained at levels below those which stimulate algae and emergent plant growth. Threshold total Phosphorus (P) concentrations shall not exceed 0.05 mg/L in any stream at the point where it enters any standing body of water, or 0.035 mg/L in any standing body of water. A desired goal in order to prevent public nuisances in streams and other flowing waters appears to be 0.1 mg/L total P. These values are not to be exceeded more than 10 percent of the time unless studies of the specific water body in question clearly show that water quality objective changes are permissible and changes are approved by the Regional Board. Analogous threshold values have not been set for nitrogen compounds; however natural ratios of nitrogen to phosphorus are to be determined by surveillance and monitoring and upheld. If data are lacking, a ratio of N:P = 10:1 shall be used.

NTU= Nephelometric Turbidity Units

4. The discharger's report indicated that:
 - a. Groundwater TDS concentrations in the Campo HSU have fluctuated between 300 mg/l during the wet periods and 1700 mg/l during dry periods.
 - b. The groundwater TDS concentrations were higher than the groundwater objective for TDS (500 mg/l) approximately 90 percent of the time during the recent protracted dry period.
5. Upon review of the discharger's report, Regional Board staff has determined that the waste discharge as described in the Order No. 87-108 does not meet the Basin Plan objectives for the Campo HSU. This addendum establishes a time schedule for compliance with effluent limits which are consistent with the Basin Plan.
6. The Regional Board has notified all interested parties of its intent to modify waste discharge requirements for the existing discharge.

7. This facility is an existing facility and as such, is exempt from the provisions of the California Environmental Quality Act, in accordance with Title 14, California Administrative Code, Chapter 3, Article 19, Section 15301.
8. The Regional Board in a public hearing, heard and considered all comments pertaining to the existing discharge.

IT IS HEREBY ORDERED, That Order No. 87-108 is modified as follows:

1. Discharge Specification B.1 is replaced with the following:

- 1.a Until February 1, 1993, effluent discharged from the Rancho Del Campo WPCF shall not exceed the following interim limitations:

Constituent	Unit	Daily Maximum ¹
Biochemical Oxygen Demand (BOD ₅ @ 20°C)	mg/l	30
Total Suspended Solids	mg/l	30
pH	Units	Within the limits of 6.0 to 9.0 at all times
Total Dissolved Solids	mg/l	300*
Chloride	mg/l	100*
Sodium	mg/l	100*
Sulfate	mg/l	100*
Fluoride	mg/l	1.0*
Boron	mg/l	1.0*

- 1 The daily maximum shall be determined from the results of a single grab sample.

* Increment in effluent over supply water.

- 1.b After February 1, 1993, effluent discharged from the Rancho Del Campo WPCF shall not exceed the following limitations:

Constituent	Unit	Monthly Average ²
Biochemical Oxygen Demand (BOD ₅ @ 20°C)	mg/l	30
Total Suspended Solids	mg/l	30
pH	Units	Within the limits of 6.0 to 9.0 at all times
Total Dissolved Solids	mg/l	500
Chloride	mg/l	250
Sodium	mg/l	60
Sulfate	mg/l	250
Nitrate (as NO ₃)	mg/l	45
Methylene Blue Active Substances	mg/l	0.5
Fluoride	mg/l	1.0
Boron	mg/l	1.0

- 2 The monthly average shall be the arithmetic mean, using the result of analysis of all samples collected during any 30-consecutive calendar day period.

Not in compliance

Major

Other

Frequency

Color

2. Provision C.14 is replaced with the following:

14. The discharger shall complete the following tasks in accordance with the following time schedule:

Tasks	Completion Date	Report Submittal Task Date
1. Begin development of a plan for bringing the discharge into compliance with the effluent limitations in B.1.b	05/01/90	05/15/90
2. Complete the plan initiated in Task 1 in a manner acceptable to the Executive Officer.	08/01/90	08/15/90
3. Begin work necessary to achieve compliance with the effluent limitations in B.1.b	11/01/90	11/15/90
4. First Annual Progress Report	02/01/91	02/15/91
5. Second Annual Progress Report	02/01/92	02/15/92
6. Complete work necessary to achieve compliance with the effluent limitations in B.1.b	02/01/93	02/15/93

I, Ladin H. Delaney, Executive Officer, do hereby certify the forgoing is a full, true, and correct copy of an Addendum No. 1 to Order No. 87-108 adopted by the California Regional Water Quality Control Board, San Diego Region, on January 29, 1990.

Ladin H. Delaney

LADIN H. DELANEY
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
TECHNICAL CHANGE ORDER NO. T-1
FOR
MONITORING AND REPORTING PROGRAM NO. 87-108
FOR THE
COUNTY OF SAN DIEGO
RANCHO DEL CAMPO WATER POLLUTION CONTROL FACILITY
SAN DIEGO COUNTY

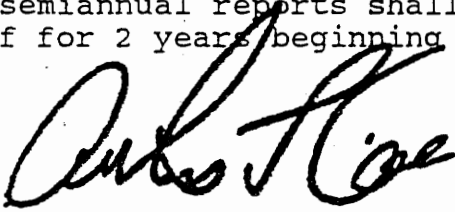
*Rescinded
w/ Addn
Order 2*

Is hereby ordered that: Section H, Percolation Bed Capacity Data Summary, be added to Monitoring and Reporting Program No. 87-108 as follows:

H. Percolation Bed Capacity Data Summary

Semiannually, the discharger shall submit a summary of the water budget balancing data for each of the 6 percolation beds for the previous 6 months. At a minimum, the information shall include the minimum, maximum, mean, and median values for daily flow volume, evaporation, precipitation, and infiltration for each bed. The semiannual reports shall be submitted to this Regional Board staff for 2 years beginning in June 1994.

Ordered By



Arthur L. Coe
Executive Officer

Date: November 23, 1993

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

ORDER NO. 87-108

WASTE DISCHARGE REQUIREMENTS
FOR THE
COUNTY OF SAN DIEGO
RANCHO DEL CAMPO WATER POLLUTION CONTROL FACILITY
SAN DIEGO COUNTY

The California Regional Water Quality Control Board, San Diego Region (hereinafter Regional Board), finds that:

1. On June 14, 1971, this Regional Board adopted Order No. 71-30, *An Order Revising Waste Discharge Requirements for the Discharge of Treated Domestic Wastewater from Rancho Del Campo by the County of San Diego, Public Works Agency*. Order No. 71-30 established requirements for the disposal of up to 75,000 gallons per day (gpd) of treated wastewater by percolation and/or nursery stock irrigation.
2. As part of the 1985/86 fiscal year Waste Discharge Order Update program, Order No. 71-30 was reviewed by Regional Board staff. During the review process, Regional Board staff determined that no update of Order No. 71-30 was necessary since a new Report of Waste Discharge was expected to be submitted by the County in fiscal year 1986/87 due to an expected increase in wastewater volume at Rancho del Campo Water Pollution Control Facility (Rancho del Campo WPCF). This is documented in this Regional Board's Resolution No. 86-76, *A Resolution Concerning the Review of Waste Discharge Orders for the 1985/86 Waste Discharge Order Update Program*, adopted on July 28, 1986.
3. By letter dated May 22, 1986, A. H. Krier, Deputy County Engineer, Liquid Waste Division, County of San Diego, Department of Public Works, informed Regional Board staff that the County of San Diego was not planning to file a Report of Waste Discharge since the wastewater flow volume at the Rancho del Campo WPCF was not expected to exceed 75,000 gpd. Therefore, Regional Board staff has reviewed Order No. 71-30 and determined that modification of waste discharge requirements is necessary to implement the *Comprehensive Water Quality Control Plan Report, San Diego Basin (9)* (Basin Plan).
4. As prescribed by Order No. 71-30, the County submitted self-monitoring reports for the effluent discharged by means of percolation ponds as well as for the water supply (ground water). A summary of the data submitted from 1971 to 1986 is as follows:

a. Effluent

Constituent	Unit	Range	Average
Biochemical Oxygen Demand	mg/L	0.2 - 50	9.2
Total Suspended Solids	mg/L	1.0 - 26.4	9.7
Total Dissolved Solids	mg/L	516 - 1485	862
Chloride	mg/L	56 - 280	164
Sodium	mg/L	2 - 311	143
Sulfate	mg/L	16 - 260	121
Total Nitrogen	mg/L	1.03 - 35.4	17.0
Total Phosphorus	mg/L	0.19 - 59	9.4
Boron	mg/L	0.05 - 1.3	0.5
Fluoride	mg/L	0.03 - 1.8	0.7
pH	Units	6.8 - 8.4	7.7

b. Water Supply

Constituent	Unit	Range	Average
Total Dissolved Solids	mg/L	522 - 1041	718
Chloride	mg/L	58 - 304	132
Sodium	mg/L	67 - 294	108
Sulfate	mg/L	14 - 198	111
Total Nitrogen	mg/L	0.19 - 10.5	4.0
Total Phosphorus	mg/L	0.008 - 2.90	0.2
Boron	mg/L	0 - 0.62	0.2
Fluoride	mg/L	0.04 - 1.0	0.50

Note: mg/L = milligrams per liter

5. In addition, Regional Board staff review of the monitoring reports indicated that the Rancho del Campo WPCF has repeatedly exceeded its authorized discharge rate of 75,000 gpd between February 1981 and May 1984. An investigation performed by the County in December 1982 of the existing sewerlines indicated that ground water infiltration represented at least half of the flowrates submitted in their self-monitoring reports. The County started to repair all sources of infiltration in November 1983 and completed the repairs in May 1984.
6. Based on review of Regional Board staff inspection reports, the facilities at the Rancho del Campo WPCF consist of: a bar screen, an Imhoff tank, a trickling filter, a secondary clarifier, a chlorine contact tank, four percolation beds and a sludge drying bed. According to County staff, the proposed nursery described in Order No. 71-30 was never constructed.
7. The Rancho del Campo WPCF and disposal facilities are located in the SE $\frac{1}{4}$ of Section 16, T18S, R5E, SBB&M in the Campo Hydrographic Subarea of (11.82) of the Tia Juana Hydrographic Subunit of the Tia Juana Hydrographic Unit.
8. The *Comprehensive Water Quality Control Plan Report, San Diego Basin (9)* (Basin Plan), was adopted by this Regional Board on March 17, 1975, and approved by the State Water Resources Control Board on March 20, 1975, and updated by the Regional Board on February 27, 1978, March 23, 1981, January 23, October 3, 1983, August 27, 1984 and December 16, 1985. The 1978, 1981, 1983, 1984 and 1985 updates were subsequently approved by the State Board.
9. The Basin Plan established the following beneficial uses for the surface waters of the Tia Juana Hydrographic Subunit:
 - a. Water Contact Recreation
 - b. Non-contact Water Recreation
 - c. Warm Fresh-water Habitat
 - d. Wildlife Habitat
10. The Basin Plan established the following beneficial uses for ground waters of the Tia Juana Hydrographic Subunit:
 - a. Municipal and Domestic Supply
 - b. Agricultural Supply
 - c. Industrial Supply

The Basin Plan also established ground water recharge as a potential beneficial use for ground waters of the Tia Juana Hydrographic Subunit.
11. The Basin Plan established the following water quality objectives for the Tia Juana Hydrographic Subunit:

Constituent	Concentration not to be exceeded more than 10 percent of the time	
	Surface Water	Ground Water
Total Dissolved Solids	500 mg/L	500 mg/L
Chloride	250 mg/L	250 mg/L
Percent Sodium	60 %	60 %
Sulfate	250 mg/L	250 mg/L
Nitrate	- - -	45 mg/L
Nitrogen and Phosphorus	*	- - -
Iron	0.3	0.3 mg/L
Manganese	0.05 mg/L	0.05 mg/L
Methylene Blue Active Substances	0.5 mg/L	0.5 mg/L
Boron	1.0 mg/L	1.0 mg/L
Odor	None	None
Turbidity	20 NTU	20 NTU
Color	20 Units	20 Units
Fluoride	1.0 mg/L	1.0 mg/L

* Concentrations of nitrogen and phosphorus, by themselves or in combination with other nutrients, shall be maintained at levels below those which stimulate algae and emergent plant growth. Threshold total Phosphorus (P) concentrations shall not exceed 0.05 mg/L in any stream at the point where it enters any standing body of water, or 0.035 mg/L in any standing body of water. A desired goal in order to prevent public nuisances in streams and other flowing waters appears to be 0.1 mg/L total P. These values are not to be exceeded more than 10 percent of the time unless studies of the specific water body in question clearly show that water quality objective changes are permissible and changes are approved by the Regional Board. Analogous threshold values have not been set for nitrogen compounds; however natural ratios of nitrogen to phosphorus are to be determined by surveillance and monitoring and upheld. If data are lacking, a ratio of N:P = 10:1 shall be used.

Note: NTU = Nephelometric Turbidity Units

12. The Basin Plan contains the following prohibitions applicable to the Rancho del Campo WPCF:

"Discharge of treated or untreated sewage or industrial wastewater, exclusive of cooling water or other waters which are chemically unchanged, to a watercourse, is prohibited except in cases where the quality of said discharge complies with the receiving body's water quality objectives.

"Discharging of treated or untreated sewage or industrial wastes in such manner or volume as to cause sustained surface flow or ponding on lands not owned or under the control of the discharger is prohibited except in cases defined in the previous paragraph and in cases in which the responsibility for all downstream adverse effects is accepted by the discharger.

"The dumping or deposition of oil, garbage, trash or other solid municipal, industrial or agricultural waste directly into inland waters or watercourses or adjacent to the watercourses in any manner which may permit its being washed into the watercourse is prohibited."

13. The Rancho del Campo WPCF has discharged treated wastewater to the Tia Juana Hydrographic Subunit under waste discharge requirements since 1971. Although adverse effects on ground water quality are not known to have occurred as a result of the discharge, neither has it been demonstrated that the discharge does not and will not cause or contribute to violation of the Basin Plan ground water quality objectives for the Tia Juana Hydrographic Subunit. Provision C.14 of this Order requires the discharger to conduct a study of the capacity of the Tia Juana Hydrographic Subunit to assimilate the wastewater discharge. If the Executive Officer determines that information developed in the study indicates that the discharge is causing or contributing to violation of Basin Plan objectives, Provision C.14 of this Order requires the discharger to submit a plan for bringing its discharge into compliance with Basin Plan objectives and, upon approval of the plan by the Executive Officer, to do the work necessary to achieve compliance with Basin Plan objectives. In order to obtain timely completion of these tasks, Provision C.14 of this Order establishes a time schedule to be met by the discharger.
14. The effluent limits established by Discharge Specification B.1 of this Order are interim limits which are essentially identical to those in Order No. 71-30. After completion of the study referred to in the previous finding, this Order may be modified, if necessary, to require compliance with effluent limits which will ensure that the discharge does not cause or contribute to violation of Basin Plan objectives. This Order may be further modified, if necessary, to reflect changes which the discharger may make in order to bring its discharge into compliance with Basin Plan objectives.

15. This facility is an existing facility and as such, is exempt from the provisions of the California Environmental Quality Act, in accordance with Title 14, California Administrative Code, Chapter 3, Article 19, Section 15301.
16. The Regional Board, in establishing the requirements contained herein, considered factors including, but not limited to the following:
 - a. Past, present, and probable future beneficial uses of water.
 - b. Environmental characteristics of the hydrographic unit under consideration, including the quality of water available thereto.
 - c. Water quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area.
 - d. Economic considerations.
 - e. The need for developing housing within the region.
 - f. Beneficial uses to be protected and the water quality objectives reasonably required for that purpose.
 - g. Other waste discharges.
 - h. The need to prevent nuisance.
17. The Regional Board has considered all water resource related environmental factors associated with the existing discharge of waste.
18. The Regional Board has notified the discharger and all known interested parties of the intent to update waste discharge requirements for the existing discharge.
19. The Regional Board in a public meeting heard and considered all comments pertaining to the existing discharge.

IT IS HEREBY ORDERED, That Rancho del Campo WPCF (hereinafter discharger), in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. PROHIBITIONS

1. Discharges of wastes, to lands which have not been specifically described to the Regional Board and for which valid waste discharge requirements are not in force are prohibited.
2. The discharge of any radiological, chemical or biological warfare agent, or high-level radiological waste is prohibited.

3. The disposal of wastewater in a manner that would result in ponding or surfacing of wastewater on lands beyond the disposal area, as described in the findings of this Order, is prohibited.
4. The discharge of wastewater or sludge shall not:
 - a. Cause the occurrence of coliform or pathogenic organisms in waters pumped from the basin;
 - b. Cause the occurrence of objectionable tastes and odors in water pumped from the basin;
 - c. Cause waters pumped from the basin to foam;
 - d. Cause the presence of toxic materials in waters pumped from the basin;
 - e. Cause the pH of waters pumped from the basin to fall below 6.0 or rise above 9.0;
 - f. Cause this Regional Board's objectives for the ground or surface waters of the Tia Juana Hydrographic Subunit as established in the Basin Plan, to be exceeded;
 - g. Cause odors, septicity, mosquitos or other vectors, weed growth or other nuisance conditions in Campo Creek or its tributaries; or
 - h. Cause a surface flow recognizable as sewage in Campo Creek or its tributaries.
5. The 30-day average daily dry weather flowrate shall not exceed 0.075 MGD until the discharger has obtained revised waste discharge requirements for the proposed increased flow.
6. Odors, vectors, and other nuisances of sewage or sewage sludge origin beyond the limits of the treatment plant site or disposal area are prohibited.
7. The bypassing of untreated or partially treated wastewater from the wastewater treatment facility or any intermediate unit process is prohibited.
8. The discharge of waste in a manner other than as described in the findings of this Order is prohibited unless the discharger obtains revised waste discharge requirements that provide for the proposed change.
9. The discharge of treated or untreated wastewater to Campo Creek or its tributaries is prohibited.
10. Basin Plan prohibitions shall not be violated.

B. DISCHARGE SPECIFICATIONS

1. The discharge of an effluent from the Rancho del Campo WPCF shall not exceed the following limitations:

Constituent	Unit	Daily Maximum ¹
Biochemical Oxygen Demand (BOD ₅ @ 20°C)	mg/L	30
Total Suspended Solids	mg/L	30
pH	Units	Within the limits of 6.0 to 9.0 at all times
Total Dissolved Solids	mg/L	300*
Chloride	mg/L	100*
Sodium	mg/L	100*
Sulfate	mg/L	100*
Fluoride	mg/L	1.0*
Boron	mg/L	1.0*

¹ The daily maximum shall be determined from the results of a single grab sample.

* Increment in effluent over supply water.

2. All waste treatment, containment and disposal facilities (including storage ponds and percolation ponds) shall be protected against 100-year peak stream flows as defined by the San Diego County flood control agency.
3. All waste treatment, containment and disposal facilities (including storage ponds and percolation ponds), with the exception of irrigation areas, shall be protected against erosion, overland runoff, and other impacts resulting from a 100-year frequency 24-hour storm.
4. Collected screenings, sludges, other solids removed from liquid wastes, and filter backwash shall be disposed of in a manner approved by the Executive Officer of the Regional Board.

C. PROVISIONS

1. Neither the treatment nor the discharge of waste shall create a pollution, contamination or nuisance, as defined by Section 13050 of the California Water Code.
2. The discharger must comply with all conditions of this Order. Any noncompliance with this Order constitutes a violation of the California Water Code and is grounds for (a) enforcement action; (b) termination, revocation and reissuance, or modification of this Order; or (c) denial of a Report of Waste Discharge renewal application.
3. In an enforcement action, it shall not be a defense for the discharger that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with this Order. Upon reduction, loss, or failure of the treatment facility, the discharger shall, to the extent necessary to maintain compliance with this Order, control production or all discharges, or both, until the facility is restored or an alternative method of treatment is provided. This provision applies for example, when the primary source of power of the treatment facility fails, is reduced, or is lost.
4. The discharger shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Order, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.
5. The discharger shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the discharger to achieve compliance with conditions of this Order. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Order.
6. This Order may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:
 - a. Violation of any terms or conditions of this Order;
 - b. Obtaining this Order by misrepresentation or failure to disclose fully all relevant facts; or
 - c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge. The filing of a request by the discharger for the modification,

revocation and reissuance, or termination of this Order, or notification of planned changes or anticipated noncompliance does not stay any condition of this Order.

7. This Order is not transferrable to any person except after notice to the Executive Officer. The Regional Board may require modification or revocation and reissuance of this Order to change the name of the discharger and incorporate such other requirements as may be necessary under the California Water Code. The discharger shall submit notice of any proposed transfer of this Order's responsibility and coverage to a new discharger as described under Reporting Requirement D.3.
8. This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the discharger from his liability under federal, state or local laws, nor create a vested right for the discharger to continue the waste discharge.
9. The discharger shall allow the Regional Board, or an authorized representative upon the presentation of credentials and other documents as may be required by law, to:
 - a. Enter upon the discharger's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Order;
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
 - d. Sample or monitor at reasonable times, for the purposes of assuring compliance with this Order or as otherwise authorized by the California Water Code, any substances or parameters at any location.
10. The discharger's wastewater treatment facilities shall be supervised and operated by persons possessing certificates of appropriate grade pursuant to Chapter 3, Subchapter 14, Title 23 of the California Administrative Code.
11. A copy of this Order shall be maintained at the Rancho del Campo WPCF and shall be available to operating personnel at all times.
12. The requirements prescribed by this Order supersede the requirements prescribed by Order No. 71-30. Order No. 71-30 is hereby rescinded when this Order becomes effective.

13. The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order, shall not be affected thereby.
14. The discharger shall complete the following tasks in accordance with the following time schedule:

	Completion Date	Report Submittal Task Date
1. Begin a study of the capacity of the Tia Juana Hydrographic Subunit to assimilate the discharge.	10/23/87	11/06/87
2. Complete the study initiated in Task 1 in a manner acceptable to the Executive Officer.	4/22/88	5/06/88
3. Begin development of a plan for bringing the discharge into compliance with the Basin Plan.	One month after date of Executive Officer notice to proceed.	Two weeks after completion date.
4. Complete the plan initiated in Task 3 in a manner acceptable to the Executive Officer.	Three months after Task 3 completion date.	Two weeks after completion date.
5. Begin work necessary to achieve compliance with Basin Plan objectives.	One month after date of Executive Officer notice to proceed.	Two weeks after completion date.
6. Complete work necessary to achieve compliance with Basin Plan objectives.	Eleven months after Task 5 completion date.	Two weeks after completion date.

D. REPORTING REQUIREMENTS

1. The discharger shall file a new Report of Waste Discharge at least 120 days prior to the following:
- Addition of a major industrial waste discharge of essentially domestic sewage, or the addition of a new process or product by an industrial facility resulting in a change in the character of the wastes.

- b. Significant change in the treatment or disposal method (e.g., change in the method of treatment which would significantly alter the nature of the waste).
 - c. Change in the disposal area from that described in the findings of this Order.
 - d. Increase in flow beyond that specified in this Order.
 - e. Other circumstances which result in a material change in character, amount, or location of the waste discharge.
 - f. Any planned change in the regulated facility or activity which may result in noncompliance with this Order.
2. The discharger shall furnish to the Executive Officer of this Regional Board, within a reasonable time, any information which the Executive Officer may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The discharger shall also furnish to the Executive Officer, upon request, copies of records required to be kept by this Order.
3. The discharger must notify the Executive Officer, in writing at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage to a new discharger. The notice must include a written agreement between the existing and new discharger containing a specific date for the transfer of this Order's responsibility and coverage between the current discharger and the new discharger. This agreement shall include an acknowledgement that the existing discharger is liable for violations up to the transfer date and that the new discharger is liable from the transfer date on.
4. The discharger shall comply with the attached Monitoring and Reporting Program No. 87-108. Monitoring results shall be reported at the intervals specified in Monitoring and Reporting Program No. 87-108.
5. If a need for a discharge bypass is known in advance, the discharger shall submit prior notice and, if at all possible, such notice shall be submitted at least 10 days prior to the date of the bypass.
6. Where the discharger becomes aware that it failed to submit any relevant facts in a Report of Waste Discharge or submitted incorrect information in a Report of Waste Discharge or in any report to the Regional Board, it shall promptly submit such facts or information.
7. The discharger shall report any noncompliance which may endanger health or the environment. Any such information shall be provided orally to the Executive Officer within 24 hours from the time the discharger becomes aware of the circumstances. A written submission shall also be provided within five days of the time the discharger becomes aware of the circumstances. The written submission shall

contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. The following occurrence(s) must be reported to the Executive Officer within 24 hours:

- a. Any bypass from any portion of the treatment facility.
 - b. Any discharge of treated or untreated wastewater resulting from sewer line breaks, obstruction, surcharge or any other circumstances.
 - c. Any treatment plant upset which causes the effluent limitations of this Order to be exceeded.
8. The discharger shall file a written report with this Regional Board within 90 days after the 12-month running average daily dry weather flowrate equals or exceeds 75 percent of the flowrate limitation in Prohibition A.5. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed. The report shall include:
- a. Average daily flow for the month, the date on which the instantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.
 - b. The discharger's best estimate of when the average daily dry weather flow rate will equal or exceed the design capacity of the facilities.
 - c. The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for the waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units.
9. All applications, reports, or information submitted to the Executive Officer shall be signed and certified as follows:
- a. The Report of Waste Discharge shall be signed as follows:
 - (1) *For a corporation* - by a principal executive officer of at least the level of vice-president.
 - (2) *For a partnership or sole proprietorship* - by a general partner or the proprietor, respectively.

(3) *For a municipality, state, federal or other public agency*
-by either a principal executive officer or ranking
elected official.

b. All other reports required by this Order and other information required by the Executive officer shall be signed by a person designated in paragraph (a) of this provision, or by a duly authorized representative of that person. An individual is a duly authorized representative only if:

- (1) The authorization is made in writing by a person described in paragraph (a) of this provision;
- (2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity; and
- (3) The written authorization is submitted to the Executive Officer.

c. Any person signing a document under this Section shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

10. The discharger shall submit reports required under this Order, or other information required by the Executive Officer, to:

Executive Officer
California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd, Suite B
San Diego, California 92124- 1331

E. NOTIFICATIONS

1. These requirements have not been officially reviewed by the United States Environmental Protection Agency and are not issued pursuant to Section 402 of the Clean Water Act.
2. The California Water Code provides that any person who intentionally or negligently violates any waste discharge requirements issued, reissued, or amended by this Regional Board is subject to a civil

monetary remedy of up to 20 dollars per gallon of waste discharged or, if a cleanup and abatement order is issued, up to 15,000 dollars per day of violation or some combination thereof.

3. The California Water Code provides that any person failing or refusing to furnish technical or monitoring program reports, as required under this Order, or falsifying any information provided in the monitoring reports is guilty of a misdemeanor.
4. This Order becomes effective on the date of adoption by the Regional Board.

I, Ladin H. Delaney, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region, on August 24, 1987.

Ladin H. Delaney

LADIN H. DELANEY
Executive Officer

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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

MONITORING AND REPORTING PROGRAM NO. 87-108

FOR THE
COUNTY OF SAN DIEGO
RANCHO DEL CAMPO WATER POLLUTION CONTROL FACILITY
SAN DIEGO COUNTY

A. MONITORING PROVISIONS

1. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this Order and, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points shall not be changed without notification to and the approval of the Executive Officer.
2. Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated and maintained to ensure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than ± 5 percent from true discharge rates throughout the range of expected discharge volumes. Guidance in selection, installation, calibration and operation of acceptable flow measurement devices can be obtained from the following references:
 - a. "A Guide to Methods and Standards for the Measurement of Water Flow," U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 421, May 1975, 97 pp. (Available from the U.S. Government Printing Office, Washington, D. C. 20402. Order by SD Catalog No. C13.10:421.)
 - b. "Water Measurement Manual," U.S. Department of Interior, Bureau of Reclamation, Second Edition, Revised Reprint, 1974, 327 pp. (Available from the U.S. Government Printing Office, Washington D. C. 20402. Order by Catalog No. 127,19/2:W29/2, Stock No. S/N 24003-0027.)
 - c. "Flow Measurement in Open Channels and Closed Conduits," U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 484, October 1977, 982 pp. (Available in paper copy or microfiche from National Technical Information Service (NTIS) Springfield, VA 22151. Order by NTIS No. PB-273-535/5ST.)

- d. "NPDES Compliance Sampling Manual," U.S. Environmental Protection Agency, Office of Water Enforcement. Publication MCD-51, 1977, 140 pp. (Available from the General Services Administration (8FFS), Centralized Mailing Lists Services, Building 41, Denver Federal Center, Denver, CO 80225.)
3. Monitoring must be conducted according to United States Environmental Protection Agency test procedures approved under Title 40, Code of Federal Regulations (CFR), Part 136, "Guidelines Establishing Test Procedures for Analysis of Pollutants Under the Clean Water Act" as amended, unless other test procedures have been specified in this Order.
4. All analyses shall be performed in a laboratory certified to perform such analyses by the California Department of Health Services or a laboratory approved by the Executive Officer.
5. Monitoring results must be reported on discharge monitoring report forms approved by the Executive Officer.
6. If the discharger monitors any pollutants more frequently than required by this Order, using test procedures approved under 40 (CFR), Part 136, or as specified in this Order, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the discharger's monitoring report. The increased frequency of monitoring shall also be reported.
7. The discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Order, and records of all data used to complete the application for this Order. Records shall be maintained for a minimum of five years from the date of the sample, measurement, report, or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board Executive Officer or the United States Environmental Protection Agency.
8. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or method used; and
 - f. The results of such analyses.
9. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Executive Officer or in this Order.

10. All monitoring instruments and devices used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy. All flow measurement devices shall be calibrated at least once per year, or more frequently, to ensure continued accuracy of the devices. Annually, the discharger shall submit to the Executive Officer a written statement signed by a registered professional engineer certifying that all flow measurement devices have been calibrated and will reliably achieve the accuracy required by Monitoring Provision A.2.
11. The discharger shall report all instances of noncompliance not reported under Reporting Requirement D.7 of this Order at the time monitoring reports are submitted. The reports shall contain the information listed in Reporting Requirement D.7.
12. The monitoring reports shall be signed by an authorized person as required by Reporting Requirement No. D.9.
13. A grab sample is an individual sample of at least 100 milliliters collected at a randomly selected time over a period not exceeding 15 minutes.

B. EFFLUENT MONITORING

Determination	Unit	Type of Sample	Sampling Frequency	Reporting Frequency
Flowrate	gpd	Measurement	Continuous	Quarterly
Biochemical Oxygen Demand (BOD ₅ @ 20°C)	mg/L	Grab	Quarterly	Quarterly
Total Suspended Solids	mg/L	Grab	Quarterly	Quarterly
Volatile Suspended Solids	mg/L	Grab	Quarterly	Quarterly
pH	Units	Grab	Quarterly	Quarterly
Total Dissolved Solids	mg/L	Grab	Quarterly	Quarterly
Chloride	mg/L	Grab	Quarterly	Quarterly
Sodium	mg/L	Grab	Quarterly	Quarterly
Sulfate	mg/L	Grab	Quarterly	Quarterly
Nitrate (as NO ₃)	mg/L	Grab	Quarterly	Quarterly
Methylene Blue Active Substances	mg/L	Grab	Quarterly	Quarterly
Boron	mg/L	Grab	Quarterly	Quarterly
Fluoride	mg/L	Grab	Quarterly	Quarterly

Appendix 3

C. *POTABLE WATER SUPPLY MONITORING*

Determination	Unit	Type of Sample	Sampling Frequency	Reporting Frequency
Total Dissolved Solids	mg/L	Grab	Semiannually	Semiannually
Chloride	mg/L	Grab	Semiannually	Semiannually
Sodium	mg/L	Grab	Semiannually	Semiannually
Sulfate	mg/L	Grab	Semiannually	Semiannually
Nitrate (as NO ₃)	mg/L	Grab	Semiannually	Semiannually
Boron	mg/L	Grab	Semiannually	Semiannually
Fluoride	mg/L	Grab	Semiannually	Semiannually

D. *GROUND WATER MONITORING*

Determination	Unit	Type of Sample	Sampling Frequency	Reporting Frequency
Total Dissolved Solids	mg/L	Grab	Semiannually	Semiannually
Chloride	mg/L	Grab	Semiannually	Semiannually
Sodium	mg/L	Grab	Semiannually	Semiannually
Sulfate	mg/L	Grab	Semiannually	Semiannually
Nitrate (as NO ₃)	mg/L	Grab	Semiannually	Semiannually
Boron	mg/L	Grab	Semiannually	Semiannually
Fluoride	mg/L	Grab	Semiannually	Semiannually

E. SEWAGE SOLIDS

A log of the type, quantity, and manner of disposal of solids removed in the course of sewage treatment shall be maintained and submitted quarterly.

F. ANNUAL SUMMARY OF MONITORING DATA

*Noted
8/24/87* → By January 30 of each year, the discharger shall submit an annual report to the Executive Officer. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with this Order.

G. MONITORING REPORT SCHEDULE

Monitoring reports shall be submitted to the Executive Officer in accordance with the following schedule:

Monitoring Frequency

Report Due

Quarterly

January 30, April 30
July 30, October 30

~~Semiannually~~

~~January 30, July 30~~

Annually

January 30

Ordered by

Ladin H. Delaney

LADIN H. DELANEY
Executive Officer
August 24, 1987

CAT:rs